

Patent Abstracts of Japan

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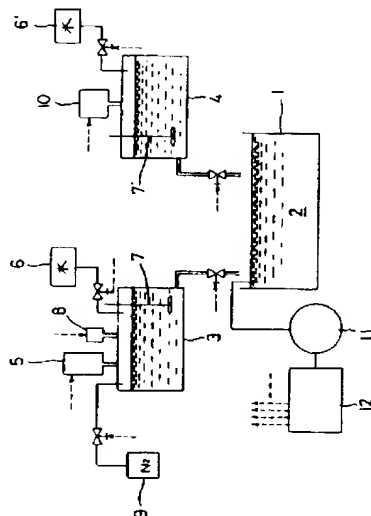
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TITLE : METHOD AND APPARATUS FOR
REPLENISHING METALLIC
COMPONENT TO PLATING BATH



ABSTRACT : PURPOSE: To maintain the specified concn. of Sn²⁺ in an aq. SnSO₄ soln. for a long period of time by replenishing FeSO₄ to a replenishing tank contg. the aq. SnSO₄ for replenishing Sn²⁺ to a bronze plating bath or filling an inert gas therein.

CONSTITUTION: Sn²⁺ ions and Cu²⁺ ions are replenished from replenishing tanks 3, 4 into the plating bath 2 consisting of a sulfuric acid bath in a bronze plating tank 1 to execute bronze plating. SnSO₄ powder 5 and water 6 are supplied to the tank 3 and are stored therein the form of the aq. SnSO₄ soln. in the above-mentioned method. The aq. SnSO₄ soln. is continuously or intermittently replenished to the plating bath 2 while the FeSO₄ powder is continuously or intermittently replenished to the aq. SnSO₄ soln. from an adding device 8 or while the inert gas such as N₂ supplied from an inert gas supply device 9 is filled into the tank 3. The oxidation of SnSO₄ during the storage is thereby prevented and the specified concn. thereof is maintained, by which the stable plating is made possible.

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